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(19) **United States**(12) **Patent Application Publication****Teng et al.**(10) **Pub. No.: US 2014/0357273 A1**(43) **Pub. Date: Dec. 4, 2014**(54) **MOBILITY CONTROL IN A  
COMMUNICATION SYSTEM****Publication Classification**(51) **Int. Cl.****H04W 8/02** (2006.01)**H04W 36/32** (2006.01)(52) **U.S. Cl.****CPC** ..... **H04W 8/02** (2013.01); **H04W 36/32**  
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**ABSTRACT**

The disclosure relates to generation of mobility information. A mobile device can determine, based on measurements, at least one parameter relating to its movement relative to a cell. A weighting of a counter output for use in estimation of a mobility state of the mobile device is determined. The determining includes comparison of the at least one parameter to at least one threshold. Information about the weighting can be provided by a network element. When the network element obtains the weighted estimation it can take it into account in mobility control of the mobile device.

